

## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

- (i) APPLICANT: Klimpel, Kurt  
Goletz, Theresa J.  
Arora, Naveen  
Leppla, Stephen H.  
Berzofsky, Jay A.
- (ii) TITLE OF INVENTION: Targeting Antigens to the MHC Class I  
Processing Pathway With an Anthrax Toxin Fusion Protein
- (iii) NUMBER OF SEQUENCES: 5
- (iv) CORRESPONDENCE ADDRESS:  
(A) ADDRESSEE: Townsend and Townsend and Crew LLP  
(B) STREET: Two Embarcadero Center, Eighth Floor  
(C) CITY: San Francisco  
(D) STATE: California  
(E) COUNTRY: USA  
(F) ZIP: 94111-3834
- (v) COMPUTER READABLE FORM:  
(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:  
(A) APPLICATION NUMBER: US 08/937,276  
(B) FILING DATE: 15-SEP-1997  
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:  
(A) APPLICATION NUMBER: US 60/025,270  
(B) FILING DATE: 17-SEP-1996
- (viii) ATTORNEY/AGENT INFORMATION:  
(A) NAME: Weber, Kenneth A.  
(B) REGISTRATION NUMBER: 31,677  
(C) REFERENCE/DOCKET NUMBER: 015280-290100US
- (ix) TELECOMMUNICATION INFORMATION:  
(A) TELEPHONE: (415) 576-0200  
(B) TELEFAX: (415) 576-0300

## (2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 36 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA

## (ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..36
- (D) OTHER INFORMATION: /note= "primer 1"

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

TCTAGATCTA GAAGCGGGCG GTCATGGTGA TGTAGG

36

## (2) INFORMATION FOR SEQ ID NO:2:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 37 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: DNA

## (ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..37
- (D) OTHER INFORMATION: /note= "primer 2"

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

GATCTTTAAG TTCACGCGTG GATAGATTTA TTTCTTG

37

## (2) INFORMATION FOR SEQ ID NO:3:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 32 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: DNA

## (ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..32
- (D) OTHER INFORMATION: /note= "primer 3"

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

GCAAGACGCG TCTGCAGATG AGAGTGAAGG AG

32

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 38 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

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(A) NAME/KEY: -
(B) LOCATION: 1..38
(D) OTHER INFORMATION: /note= "primer 4"
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

38

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 11 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

Arg Gly Pro Gly Arg Arg Ala Phe Asn Thr Ile  
1                5                10